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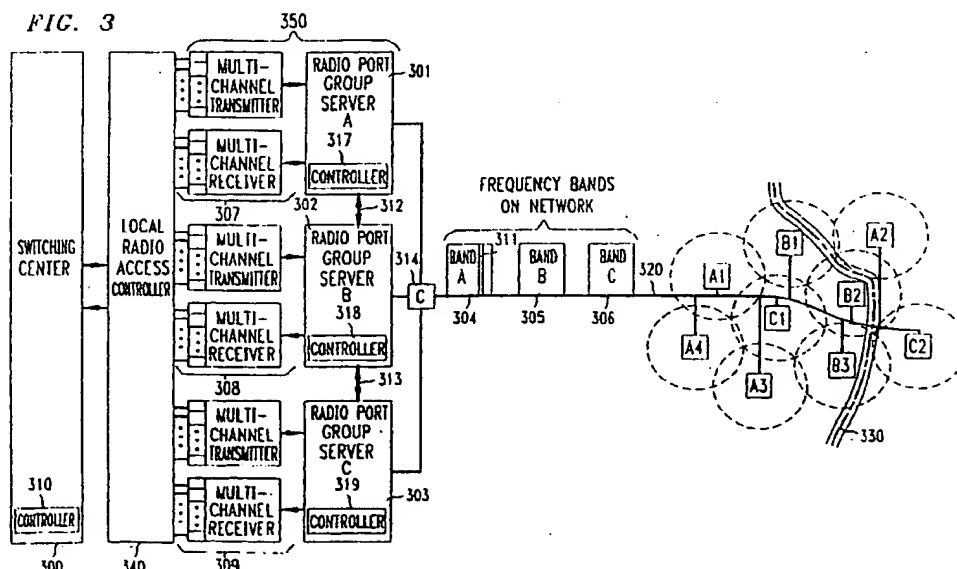
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### (54) Radio-parts assignment in a mobile cellular communication system

(57) A cellular communication system provides dynamic allocation of hardware resources and frequency spectrum. The cellular system includes a server which dynamically controls the assignment of radio ports to a first and second group; each group shares hardware resources. Radio ports assigned to a first group may be reassigned by the server to a second radio port group

in response to a predetermined condition, such as when the number of active users in the first group approaches the maximum user capacity of the first group. The transceiver hardware of each radio port is pooled on a group basis at the server location. This increases the user capacity of any radio port of a group to equal the total user capacity available at that group, as well as making more efficient use of transceiver resources.

FIG. 3



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